

157542

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 6/24/05 Serial # 10/657,867 Priority Application Date _____

Your Name M. H. Harris Examiner # _____

AU 2829 Phone 272-1838 Room 5A30

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search, please prioritize in order of need.

need before 7/20

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case? 06-27-05 10:09:50 IN

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. _____

What types of references would you like? Please checkmark:

Primary Refs _____ Nonpatent Literature _____ Other _____
 Secondary Refs _____ Foreign Patents _____
 Teaching Refs _____

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-10, 21-28

Problem: see pages 1-2
Solution: " " 9-15

Focus on claims 21-28. ~~2002/0058388~~
~~2002/0058388~~
US 2002/0058388
Claims 5/6/05

Staff Use Only

Searcher: Boyd Presomaker Structure (#) _____

Searcher Phone: 22541 Bibliographic ☒

Searcher Location: STIC-EIC2800, JEF-4B68 Litigation _____

Date Searcher Picked Up: 07-14-05 Fulltext _____

Date Completed: 07-14-05 Patent Family _____

Searcher Prep/Rev Time: 40 Other _____

240

Vendors

STN _____

Dinlog ☒

Questel/Orbit _____

Lexis-Nexis _____

WWW/Internet _____

Other _____

Set	Items	Description
S1	44757	AU= (PARK K? OR PARK, K? OR YANG B? OR YANG, B? OR RYUM B? OR RYUM, B? OR HAN T? OR HAN, T? OR LEE S? OR LEE, S? OR CHO - D? OR CHO, D?)
S2	87195	BIPOLAR? OR BI()POLAR? OR HBT? ? OR BJT? ?
S3	204	S1 AND S2
S4	207793	FIRST(2N) (CONDUCT?????? OR BASE) OR P()TYPE? OR PTYPE
S5	195496	SECOND(2N) (CONDUCT?????? OR BASE) OR N()TYPE? OR NTYPE? ?
S6	39	S3 AND S4 AND S5
S7	20858	EMITTER(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR P- ORTION? ? OR SEGMENT?)
S8	17	S6 AND S7
S9	17	IDPAT (sorted in duplicate/non-duplicate order)
S10	15	IDPAT (primary/non-duplicate records only)
S11	141831	IC = (H01L-027/06 OR H01L-029/08 OR H01L-021/824 OR H01L-0- 29/73 OR H01L-029/737 OR H01L-031 OR H01L-021/331 OR H01L-029- /732 OR H01L-027/082 OR H01L-029/73)
S12	18482	MC = (L04-C11C OR L04-E01D OR U11-C05F2A OR U12-D01A OR U1- 2-E02 OR U11-C18A2 OR U12-D01A)
S13	3935	S2 AND S4 AND S5 AND S7
S14	2373	S13 AND (S11 OR S12)
S15	14	S14 AND S1
S16	2	S15 NOT S10
? show files		
File 344:Chinese Patents Abs Aug 1985-2005/May (c) 2005 European Patent Office		
File 347:JAPIO Nov 1976-2005/Feb(Updated 050606) (c) 2005 JPO & JAPIO		
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200544 (c) 2005 Thomson Derwent		
File 348:EUROPEAN PATENTS 1978-2005/Jun W04 (c) 2005 European Patent Office		
File 349:PCT FULLTEXT 1979-2005/UB=20050707,UT=20050630 (c) 2005 WIPO/Univentio		
?		

Query/Command : his

File : PLUSPAT

SS Results

1	1	(1) ..FAM KR2002057461/PN
2	1	..CITB KR2002057461/PN
3	1	..CITF KR2002057461/PN

Search statement 4

Set	Items	Description
S1	268193	BIPOLAR? OR BI()POLAR? OR HBT? ? OR BJT? ? OR HPT? ?
S2	824187	TRANSISTOR? ? OR LOGIC()GATE?
S3	284522	FIRST?(2N) (CONDUCT?????? OR BASE OR WELL? ?) OR P()TYPE? OR PTYPE
S4	19751	COLLECTOR?(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR PORTION? ? OR SEGMENT?)
S5	289320	SECOND?(2N) (CONDUCT?????? OR BASE OR WELL? ?) OR N()TYPE? - OR NTYPE? ?
S6	3100594	SILICON OR SI OR SIGE OR SILICON()GERMANIUM?
S7	21311	EMITTER(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR PORTION? ? OR SEGMENT?)
S8	197783	INSULAT?(2N)LAYER?
S9	124899	S1 AND S2
S10	5851	S9 AND S3 AND S5
S11	688	S4 AND S7 AND S8
S12	195	S11 AND S10
S13	99	S6 AND S12
S14	89	S13 AND PY<=2002
S15	89	RD (unique items)
S16	49469	ISOLAT?(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR PORTION? ? OR SEGMENT?)
S17	15	S16 AND S15
S18	63458	S8(3N) (PLAC???? OR POSITION? OR FORM????? OR LOCAT???? OR - SITUAT? OR ARRANG?)
S19	7781	S18 AND (S3 OR S16)
S20	2237	S18(6N) (S3 OR S16)
S21	1584	S18(3N) (S3 OR S16)
S22	57109	S8(2N) (PLAC???? OR POSITION? OR FORM????? OR LOCAT???? OR - SITUAT? OR ARRANG? OR BUR???? OR EMBED????? OR SUPPRESS? OR IMPLANT? OR IM()PLANT? OR HIDDEN? OR CONCEAL?)
S23	1075	S22(2N) (S3 OR S16)
S24	49	S9 AND S23
S25	24	S24 AND (S4 OR S7)
S26	24	RD (unique items)
S27	23	S26 AND PY<=2002
S28	25	S24 NOT S26
S29	25	RD (unique items)
S30	24	S29 AND PY<=2002

? show files

File 2:INSPEC 1969-2005/Jul W1
(c) 2005 Institution of Electrical Engineers

File 6:NTIS 1964-2005/Jul W1
(c) 2005 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2005/Jul W1
(c) 2005 Elsevier Eng. Info. Inc.

File 25:Weldasearch-19662005/Jun
(c) 2005 TWI Ltd

File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W2
(c) 2005 Inst for Sci Info

File 36:MetalBase 1965-20050711
(c) 2005 The Dialog Corporation

File 65:Inside Conferences 1993-2005/Jul W2
(c) 2005 BLDSC all rts. reserv.

File 92:IHS Intl.Stds.& Specs. 1999/Nov
(c) 1999 Information Handling Services

File 94:JICST-EPlus 1985-2005/May W4
(c)2005 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2005/Jun W1
(c) 2005 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Jun
(c) 2005 The HW Wilson Co.
File 103:Energy SciTec 1974-2005/Jun B2
(c) 2005 Contains copyrighted material
File 104:AeroBase 1999-2005/Jan
(c) 2005 Contains copyrighted material
File 144:Pascal 1973-2005/Jul W1
(c) 2005 INIST/CNRS
File 239:Mathsci 1940-2005/Aug
(c) 2005 American Mathematical Society
File 241:Elec. Power DB 1972-1999Jan
(c) 1999 Electric Power Research Inst.Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 647:CMP Computer Fulltext 1988-2005/Jun W4
(c) 2005 CMP Media, LLC
File 315:ChemEng & Biotec Abs 1970-2005/Jun
(c) 2005 DECHEMA
File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200544
(c) 2005 Thomson Derwent
File 31:World Surface Coatings Abs 1976-2005/Jun
(c) 2005 PRA Coat. Tech. Cen.
File 248:PIRA 1975-2005/Jun W4
(c) 2005 Pira International
File 23:CSA Technology Research Database 1963-2005/Jun
(c) 2005 CSA.

?